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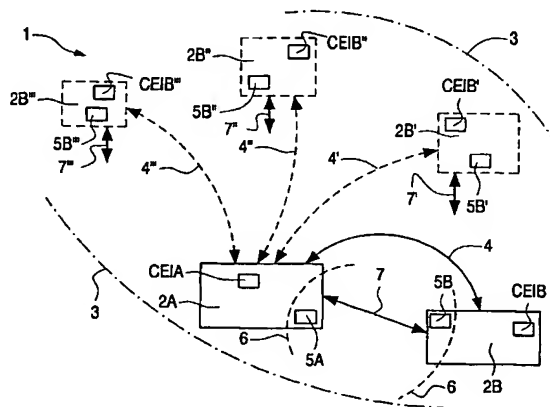
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(54) Title: COMMUNICATION PARTNER DEVICE FOR COMMUNICATION WITH ANOTHER COMMUNICATION PARTNER DEVICE OVER A FIRST COMMUNICATION CHANNEL



(57) Abstract: In a communication partner device (2A) which belongs to a communication system (1) having at least two such communication partner devices (2A, 2B) and which is designed for contactless communication over a first communication channel (4), wherein one of the two communication partner devices (2A, 2B) contains a communication enable information item (CEIA, CEIB) which is used to enable communication between the one communication partner device (2A) and the other communication partner device (2B) over the first communication channel (4), a communication stage (5A) is provided which is designed for contactless communication with a communication stage (5B) of the other communication partner device (2B) over a second communication channel (7) and which, in the event of communication over the second communication channel (7), is designed to make available the communication enable information item (CEIA, CEIB), necessary for communication over the first communication channel (4), in the communication partner device (2A, 2B) which prior to communication over the second communication channel (7) does not yet contain the communication enable information item (CEIA, CEIB).



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INTERNATIONAL SEARCH REPORT

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PCT/IB 03/06253

A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	EP 1 278 312 A (MITSUBISHI ELECTRIC CORP) 22 January 2003 (2003-01-22) paragraphs '0013! - '0027! paragraphs '0031! - '0040!; figures 3,4	1-29
X	& WO 02/075962 A (MORIMOTO HIROYUKI ; MITSUBISHI ELECTRIC CORP (JP)) 26 September 2002 (2002-09-26)	1-29
X	US 2002/065099 A1 (BJORNDAL PER) 30 May 2002 (2002-05-30) paragraphs '0026!, '0034!, '0035!; figure 2	1-29
P,X	EP 1 274 194 A (TOKYO SHIBAURA ELECTRIC CO) 8 January 2003 (2003-01-08) paragraphs '0011! - '0017!; figure 1 paragraphs '0027! - '0029!; figure 2	1-29
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	EP 1 437 863 A (SONY CORP) 14 July 2004 (2004-07-14) paragraph '0013! paragraph '0019! paragraphs '0050! - '0061!; figure 1 paragraphs '0118! - '0140!; figure 9	1-29
A	ECMA/TC32-TG19: "Near Field Communication (Slides)" 'Online! 31 October 2002 (2002-10-31), ECMA , GENEVA , XP002290359 Retrieved from the Internet: URL:http://www.ecma-international.org/activities/Communications/2002tg19-010.pdf> page 9	1-29
A	ECMA: "ECMA-340, Near Field Communication - Interface and Protocol (NFCIP-1)" 'Online! 31 December 2002 (2002-12-31), ECMA , GENEVA , XP002290360 Retrieved from the Internet: URL:http://www.ecma-international.org/publications/files/ECMA-ST/Ecma-340.pdf> Chapters 12.4-12.6	7-9, 16-18, 26-28
A	"Specification of the Bluetooth Sytem, Part E, Service Discovery Protocol (SDP)" BLUETOOTH, 1 December 1999 (1999-12-01), XP002245657 Chapters 1 and 2	1-29

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB 03/06253

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1278312	A	22-01-2003	WO 02075962 A1 EP 1278312 A1 US 2003092389 A1	26-09-2002 22-01-2003 15-05-2003
WO 02075962	A	26-09-2002	WO 02075962 A1 EP 1278312 A1 US 2003092389 A1	26-09-2002 22-01-2003 15-05-2003
US 2002065099	A1	30-05-2002	US 6396612 B1 AU 748426 B2 AU 2650199 A BR 9907826 A CN 1290438 T EE 200000467 A EP 1055307 A1 JP 2002503920 T WO 9941876 A1	28-05-2002 06-06-2002 30-08-1999 24-10-2000 04-04-2001 15-02-2002 29-11-2000 05-02-2002 19-08-1999
EP 1274194	A	08-01-2003	JP 2003018148 A EP 1274194 A1 US 2003007641 A1	17-01-2003 08-01-2003 09-01-2003
EP 1437863	A	14-07-2004	EP 1437863 A1 WO 03034660 A1	14-07-2004 24-04-2003